PM 31 10352-37 1 of 3

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

EPA

United States
Environmental Protection Agency
Washington, DC 20460

- [ ] Registration
- [ ] Amendment
- [X] Other

OPP Identifier Number: 227500

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
10352-37	Marion Johnson	[X] None [ ] Restricted
4. Company/Product (Name)	**PM#**	
PIROR (R) 850 Slimicide and Water Treatment Microbiocide	31	

5. Name and Address of Applicant *(Include ZIP Code)*

Union Carbide Corporation
P. O. Box 670
Bound Brook, NJ 08805

[ ] *Check if this is a new address*

6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. 10352-37

Product Name PIROR 850 Slimicide and Water Treatment Microbiocide

Section - II

- [ ] Amendment - Explain below.
- [ ] Resubmission in response to Agency letter dated _____
- [X] Notification - Explain below. per PR Notice 95-2
- [ ] Final printed labels in response to Agency letter dated _____
- [ ] "Me Too" Application.
- [ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Label is being modified to correct transposition error that occurred.
Label should read: May be Fatal if Swallowed.
Label was incorrectly submitted on 9/14/95 as "Harmful if Swallowed."

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes* [X] No	[ ] Yes [X] No	[ ] Yes [X] No	[X] Metal [X] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) _____
* *Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[X] Label [ ] Container	5 gal., 55 gal., bulk	[X] On Label [ ] On Labeling accompanying product

6. Manner in Which Label is Affixed to Product: [X] Lithograph / Paper glued / Stenciled [ ] Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Joan E. Young	Manager, Regulatory Affairs	908-563-5644

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received (Stamped)

2. Signature	3. Title	4. Typed Name	5. Date
Joan E Young	Manager, Regulatory Affairs	Joan E. Young	11/3/95

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

EMENTS
MESTIC ANIMALS

F CHILDREN

l if inhaled. May be fatal if swallowed.
ontact may cause allergic reactions
ive individuals.

ARDS

es, streams, ponds, estuaries, oceans or
rge Elimination System (NPDES) permit
harge effluent containing this product to
For guidance contact your State Water

ING

with many commonly used materials
s can be stored and handled in
quipment. This product freezes at
ng and insulation may be required.
age times (up to about 1 month),
rage temperature

less steel with TEFLON® is suitable for

CLAIMER

-tion on the label; (b) that this product is
cordance with such directions; and (c) that
e experts' evaluation of reasonable tests of
all varieties or in all states or under all
OES IT AUTHORIZE ANY AGENT OR
PLIED, AND IT EXPRESSLY EXCLUDES
ESS FOR PARTICULAR PURPOSE. This
loss or damage which results from the use
r cautions.
LUSIVE LIABILITY FOR ANY AND ALL
NDLING OF THIS PRODUCT, WHETHER
ILITY IN TORT OR OTHERWISE, SHALL
THE REPAYMENT OF THE PURCHASE
ES ARE CLAIMED. IN NO EVENT SHALL
UENTIAL DAMAGES RESULTING FROM

AND UNDERSTAND
L SAFETY DATA
JCT.

OSAL

L. Open dumping is prohibited. Pesticide
olation of Federal law. If these wastes
le or your Environmental Control Agency,
).
quivalent). Then offer for recycling or
roved by state and local authorities.
burning. If burned, stay out of smoke.
ners.

This label is FOR INFORMATIONAL PURPOSES ONLY and shall not be distributed to anyone unless duly authorized by the Manager, Regulatory Affairs.

UNION CARBIDE

PIROR® 850

SLIMICIDE and WATER TREATMENT MICROBIOCIDE

A MICROBIOCIDE FOR USE IN CONTROLLING SLIME FORMING BACTERIA, SULFATE-REDUCING BACTERIA, FUNGI, YEAST AND ALGAE IN BEET SUGAR MILLS AND BEET SUGAR MILL PROCESS WATER SYSTEMS, PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS AND WATER BASED COATINGS FOR PAPER AND PAPERBOARD, AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS, SERVICE WATER AND AUXILIARY SYSTEMS, RECIRCULATING COOLING AND PROCESS WATER SYSTEMS INCLUDING THOSE THAT CONTAIN REVERSE OSMOSIS MEMBRANES AND WASTEWATER SYSTEMS INCLUDING WASTEWATER SLUDGE AND HOLDING TANKS

Active Ingredient: Glutaraldehyde	50.0%
Inert Ingredients:	50.0%
	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.

IF ON SKIN: Immediately wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.

IF SWALLOWED: DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical advice with urgency.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

UNION CARBIDE CORPORATION

39 Old Ridgebury Road • Danbury, CT 06817-0001

EPA Reg. No. 10352-37
PIROR is a registered trademark of Union Carbide
Net Contents 5 or 55 gallons

EPA Est. No. 10352-WV-2
UCC-L72117 (C 5/95)
Made in USA
PE0995

72117 PRODUCT CODE	CONTAINER SIZE 5 GALLONS	CONTAINER SIZE 55 GALLONS	SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (GLUTARALDEHYDE SOLUTION)	
	46 POUNDS NET WEIGHT	500 POUNDS NET WEIGHT	HAZARD CLASS 8	ID NUMBER UN 3265	PG II

EMERGENCY CONTACT (24 HOURS PER DAY): IN USA 1-800-UCC-HELP (1-800-822-4357)
OUTSIDE USA 01-304-744-3487

DIRECTIONS FOR USE

GENERAL CLASSIFICATION

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS

PIROR® 850 Slimicide and Water Treatment Microbiocide should be added to the paper making system at a point of uniform mixing such as the beaters, broke chest pump, save-all tank, or white-water tank.

Initial Dose: When the system is noticeably contaminated, add 0.5 to 3.0 lbs of PIROR® 850 Slimicide and Water Treatment Microbiocide per ton of pulp or paper (dry basis) as a slug dose. Repeat until control is achieved. Heavily fouled systems should be bolted out prior to initial treatment.

Subsequent Dose: When microbial control is evident, add 0.3 to 2.0 lbs of PIROR® 850 Slimicide and Water Treatment Microbiocide per ton of pulp or paper (dry basis) as a slug dose as necessary to maintain control.

PIGMENTS AND FILLER SLURRIES FOR PAPER AND PAPERBOARD

Add sufficient quantities of PIROR® 850 Slimicide and Water Treatment Microbiocide to produce a concentration of 100 to 600 ppm based on slurry solids.

WATER BASED COATINGS

NOTE: For use in non-food contact coatings only.

Add sufficient quantities of PIROR® 850 Slimicide to produce a concentration of 100 to 600 ppm based on slurry solids.

BEET SUGAR MILLS AND BEET SUGAR MILL PROCESS WATER SYSTEMS

PIROR® 850 Slimicide and Water Treatment Microbiocide should be added to the system at a point of uniform mixing such as the diffuser, transport water pump, weir box, or diffuser feed water pump. Additions may be made intermittently (SLUG DOSE) or continuously.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably contaminated, add 5.5 to 13.6 fluid ounces (200 to 500 ppm product) of PIROR® 850 Slimicide and Water Treatment Microbiocide per ton or 200 to 500 mL of PIROR® 850 Slimicide and Water Treatment Microbiocide per metric ton of sliced beets as a slug dose. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.8 to 8.2 fluid ounces (30 to 300 ppm) of PIROR® 850 Slimicide and Water Treatment Microbiocide per ton or 30 to 300 mL of PIROR® 850 Slimicide and Water Treatment Microbiocide per metric ton of sliced beets in the system as a slug dose as necessary to maintain control. The total should not exceed 106 gallons per 1000 tons of beets sliced per day.

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably contaminated, add 5.5 to 13.6 fluid ounces/minute (200 to 500 ppm product) of PIROR® 850 Slimicide and Water Treatment Microbiocide per ton or 200 to 500 mL/minute of PIROR® 850 Slimicide and Water Treatment Microbiocide per metric ton of beets sliced per minute in the system via automatic pump of suitable construction.

Subsequent Dose: When microbial control is evident, add 0.8 to 8.2 fluid ounces/minute (30 to 300 ppm) of PIROR® 850 Slimicide and Water Treatment Microbiocide per ton or 30 to 300 mL/minute of PIROR® 850 Slimicide and Water Treatment Microbiocide per metric ton of beets sliced per minute in the system, or as necessary to maintain control. The total should not exceed 108 gallons per 1000 tons of beets sliced per day.

AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/ RECIRCULATING COOLING AND PROCESS WATER SYSTEMS

This product may be used only in industrial air washers and air washer systems which have mist-eliminating components.

PIROR® 850 Slimicide and Water Treatment Microbiocide should be added at the application rates described below, to a water treatment system at a convenient point of uniform mixing such as the basin area. Addition may be made intermittently (SLUG DOSE) or continuously. Badly fouled systems can be shock treated with PIROR® 850 Slimicide and Water Treatment Microbiocide. Under these conditions, blowdown should be discontinued for up to 24 hours.

PIROR® 850 Slimicide and Water Treatment Microbiocide can be used in industrial process water systems that contain ultra filtration units and non-medical reverse osmosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is noticeably fouled, apply 11.5 to 23.0 fluid ounces (100 to 200 ppm product) of PIROR® 850 Slimicide and Water Treatment Microbiocide per 1000 gallons of water in the system or 100 to 200 mL of PIROR® 850 Slimicide and Water Treatment microbiocide per 1000 liters of water in the system. Repeat until control achieved.

Subsequent Dose: When microbial control is evident, add 4.6 to 11.5 fluid ounces (40 to 100 ppm) of PIROR® 850 and Water Treatment Microbiocide per 1000 gallons of water in the system weekly or 40 to 100 mL of PIROR® 850 Slimicide and Water Treatment Microbiocide per 1000 liters of water in the system weekly, or as needed to maintain control. Badly fouled systems must be cleaned before treatment is begun.

CONTINUED ON PAGE TWO

CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled apply 11.5 to 23.0 fluid ounces (100 to 200 ppm product) of PIROR® 850 Slimicide and Water Treatment Microbiocide per 1000 gallons of water in the system or 100 to 200 mL of PIROR® 850 Slimicide and Water Treatment Microbiocide per 1000 liters of water in the system.

Subsequent Dose: Maintain this treatment level by starting a continuous feed of 2.3 to 11.5 fluid ounces (20 to 100 ppm) of PIROR® 850 Slimicide and Water Treatment Microbiocide per 1000 gallons of water in the system per day or 20 to 100 mL of PIROR® 850 Slimicide and Water Treatment Microbiocide per 1000 liters of water in the system per day.
Badly fouled systems must be cleaned before treatment is begun.

SERVICE WATER AND AUXILIARY SYSTEMS

PIROR® 850 Slimicide and Water Treatment Microbiocide should be used in the same application rates, and in the same manner as described above. It should be added to the system at a point that will allow for uniform mixing throughout the system.

HEAT TRANSFER SYSTEMS

(Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterilizers and Retorts and Pasteurizers and Warmers and Once-Through Cooling Water Systems)

PIROR® 850 Slimicide and Water Treatment Microbiocide should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

INDUSTRIAL WASTEWATER SYSTEMS

(Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks)

PIROR® 850 Slimicide and Water Treatment Microbiocide should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 0.5 to 2.3 gallons (450 to 2250 ppm) of PIROR® 850 Slimicide and Water Treatment Microbiocide per 1000 gallons of wastewater or sludge or 450 mL to 2250 mL of PIROR® 850 Slimicide and Water Treatment Microbiocide per 1000 liters of wastewater or sludge.